

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P567835

Luminaire Tested: **8SNX-52SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-52SL-LC-UNV-L835-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

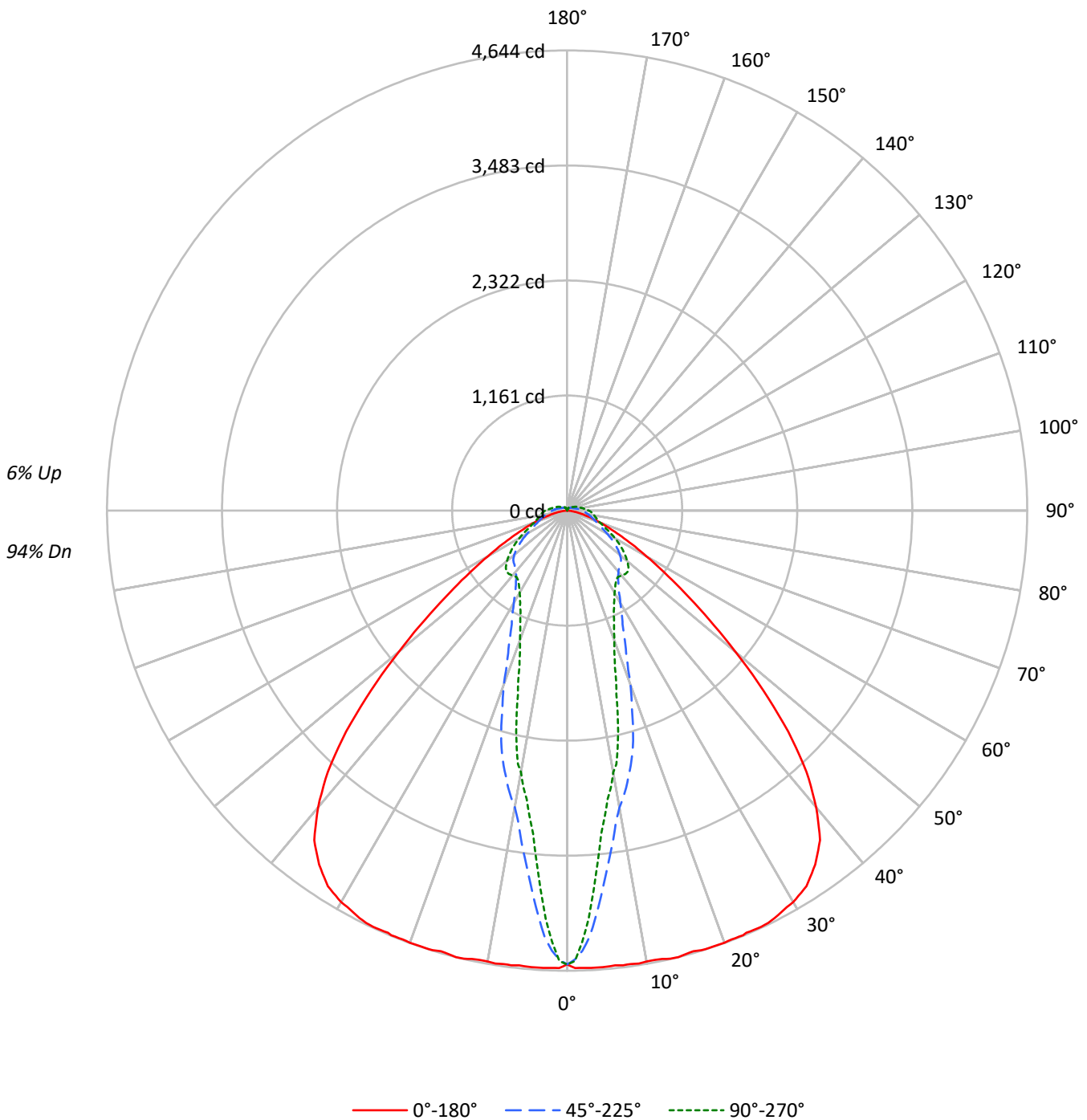
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5646.0 lumens
Efficiency: N/A
Efficacy: 172.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	118	118	118	118	114	114	114	114	108	108	108		102	102	102		96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90		90	88	86		86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76		81	77	74		77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66		73	68	64		70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58		66	61	56		63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51		60	55	50		58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46		56	50	45		53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42		51	45	41		50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38		48	42	37		46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35		44	39	34		43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32		42	36	32		40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24651	24651	24651
5°	24919	20272	18123
10°	25160	15321	13116
15°	25668	12538	9082
20°	26381	9082	6414
25°	27261	6513	5046
30°	28019	5209	4298
35°	28255	4411	3849
40°	27011	4014	3859
45°	23514	3883	3964
50°	18108	3697	3699
55°	13182	3237	3282
60°	9619	2705	2775
65°	7054	2291	2275
70°	5254	2027	1962
75°	3797	1881	1828
80°	2567	1766	1801
85°	1297	1690	1803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	6.4
10°-20°	782.2	13.9
20°-30°	895.3	15.9
30°-40°	896.9	15.9
40°-50°	849.1	15.0
50°-60°	651.2	11.5
60°-70°	419.7	7.4
70°-80°	267.7	4.7
80°-90°	177.7	3.1
90°-100°	119.5	2.1
100°-110°	78.7	1.4
110°-120°	54.8	1.0
120°-130°	38.2	0.7
130°-140°	26.5	0.5
140°-150°	16.2	0.3
150°-160°	8.2	0.1
160°-170°	3.2	0.1
170°-180°	0.6	0.0
0°-30°	2037.8	36.1
0°-40°	2934.7	52.0
0°-60°	4434.9	78.5
0°-90°	5300.1	93.9
90°-120°	253.0	4.5
90°-150°	333.9	5.9
90°-180°	346.0	6.1
0°-180°	5646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4580	4580	4580	4580	4580	
5°	4621	4366	3912	3649	3550	441
15°	4632	3336	2543	2089	1921	1314
25°	4635	2361	1345	1169	1114	2137
35°	4363	1314	900	871	859	2707
45°	3154	830	758	839	868	2398
55°	1447	593	584	657	683	1330
65°	579	373	368	420	434	595
75°	197	202	255	292	307	216
85°	26	93	179	234	252	36
90°	0	64	150	208	217	1
95°	0	46	124	171	179	0
105°	0	35	81	116	124	2
115°	3	29	61	84	90	3
125°	3	26	52	61	64	3
135°	3	20	40	49	52	2
145°	3	14	29	38	40	2
155°	3	9	17	26	29	1
165°	6	6	12	14	17	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4580.3	4580.3	4580.3	4580.3	4580.3
1°	4617.9	4591.9	4531.1	4548.5	4545.6
2°	4617.9	4562.9	4444.3	4409.6	4357.5
3°	4620.8	4513.8	4311.2	4198.4	4126.0
4°	4620.8	4441.4	4114.5	3926.4	3833.8
5°	4620.8	4366.2	3911.9	3648.6	3550.2
6°	4615.0	4276.5	3706.5	3428.7	3281.2
7°	4623.7	4178.1	3521.3	3223.3	3107.6
8°	4620.8	4062.4	3350.6	3067.0	2939.7
9°	4629.5	3949.5	3165.4	2919.5	2824.0
10°	4620.8	3845.4	3043.9	2780.6	2682.2
11°	4620.8	3744.1	2957.1	2690.9	2607.0
12°	4626.6	3628.4	2861.6	2563.6	2447.8
13°	4641.1	3509.7	2751.7	2424.7	2288.7
14°	4644.0	3420.0	2650.4	2248.2	2106.4
15°	4632.4	3336.1	2543.3	2089.1	1921.2
16°	4626.6	3249.3	2416.0	1938.6	1788.1
17°	4638.2	3148.1	2271.3	1785.3	1646.4
18°	4641.1	3055.5	2118.0	1669.5	1548.0
19°	4641.1	2983.1	1993.6	1562.5	1458.3
20°	4641.1	2913.7	1866.3	1481.4	1391.7
21°	4635.3	2826.9	1721.6	1397.5	1322.3
22.5°	4638.2	2664.9	1556.7	1299.2	1238.4
23°	4629.5	2624.3	1516.2	1273.1	1209.5
24°	4632.4	2508.6	1429.4	1221.0	1160.3
25°	4635.3	2361.0	1345.4	1168.9	1114.0
26°	4629.5	2242.4	1276.0	1119.8	1082.1
27°	4615.0	2146.9	1226.8	1079.3	1044.5
28°	4594.8	2019.6	1174.7	1044.5	1012.7
29°	4574.5	1874.9	1122.7	1006.9	983.8
30°	4562.9	1759.2	1073.5	978.0	957.7
32.5°	4493.5	1530.6	972.2	920.1	902.8
35°	4363.3	1313.6	899.9	870.9	859.4
37.5°	4192.6	1145.8	844.9	839.1	842.0
40°	3911.9	1012.7	804.4	830.4	856.5
42.5°	3576.3	908.5	775.4	839.1	868.0
45°	3153.8	830.4	758.1	839.1	868.0
47.5°	2685.1	766.8	737.8	810.2	839.1
50°	2216.4	708.9	697.3	766.8	792.8
52.5°	1802.6	653.9	645.2	711.8	737.8
55°	1446.7	593.2	584.5	656.8	682.9
57.5°	1160.3	535.3	526.6	593.2	619.2
60°	925.9	477.4	462.9	529.5	555.5
62.5°	737.8	422.4	413.8	471.6	494.8
65°	578.7	373.3	367.5	419.5	434.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	457.2	327.0	329.9	373.3	390.6
70°	353.0	283.6	300.9	341.4	353.0
72.5°	266.2	240.2	277.8	312.5	327.0
75°	196.8	202.5	254.6	292.2	306.7
77.5°	136.0	167.8	234.4	274.9	289.3
80°	92.6	136.0	214.1	260.4	277.8
82.5°	55.0	112.8	196.8	245.9	266.2
85°	26.0	92.6	179.4	234.4	251.7
87.5°	8.7	75.2	162.0	222.8	237.3
90°	0.0	63.7	150.5	208.3	217.0
92.5°	0.0	55.0	136.0	191.0	196.8
95°	0.0	46.3	124.4	170.7	179.4
97.5°	0.0	43.4	115.7	153.4	164.9
100°	0.0	40.5	104.2	138.9	150.5
102.5°	0.0	34.7	92.6	124.4	136.0
105°	0.0	34.7	81.0	115.7	124.4
107.5°	2.9	31.8	75.2	104.2	115.7
110°	2.9	31.8	66.5	98.4	107.1
112.5°	2.9	31.8	63.7	89.7	101.3
115°	2.9	28.9	60.8	83.9	89.7
117.5°	2.9	28.9	57.9	75.2	81.0
120°	2.9	26.0	55.0	69.4	72.3
122.5°	2.9	26.0	52.1	63.7	66.5
125°	2.9	26.0	52.1	60.8	63.7
127.5°	2.9	23.1	49.2	57.9	57.9
130°	2.9	23.1	46.3	55.0	55.0
132.5°	2.9	20.3	43.4	52.1	55.0
135°	2.9	20.3	40.5	49.2	52.1
137.5°	2.9	17.4	37.6	46.3	49.2
140°	2.9	17.4	34.7	43.4	46.3
142.5°	2.9	14.5	31.8	40.5	43.4
145°	2.9	14.5	28.9	37.6	40.5
147.5°	2.9	14.5	26.0	34.7	37.6
150°	2.9	11.6	23.1	31.8	34.7
152.5°	2.9	11.6	20.3	28.9	31.8
155°	2.9	8.7	17.4	26.0	28.9
157.5°	2.9	8.7	17.4	23.1	26.0
160°	5.8	8.7	14.5	20.3	23.1
162.5°	2.9	5.8	14.5	17.4	20.3
165°	5.8	5.8	11.6	14.5	17.4
167.5°	5.8	5.8	8.7	11.6	14.5
170°	5.8	5.8	8.7	8.7	11.6
172.5°	5.8	5.8	5.8	8.7	5.8
175°	5.8	5.8	5.8	5.8	2.9
177.5°	5.8	5.8	5.8	5.8	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)